

THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application No: 09/780,060 Filing Date: 02/09/2001

First Named Inventor: Kitson Group Art Unit:

Examiner Name: M. Lamm

Attorney Docket No.: TDIG.P-001

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Examiner's Initials	US Patent Document	Name of Patentee or applicant of cited document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
M	5,643,899	Elias, et al	01-07-1997	
w	5,720,963	Smith	24-02-1998	

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	office	Number	Kind Code	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages where relevant passages appear	T⁵

O ST	
Examiner's Initials PATENT &	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS
W	Abraham, et al.; "Investigation of Membrane Structure and Dynamics by Deuterium NMR: Application to the Stratum Corneum" in Mechanisms of Transdermal Drug Delivery; Potts and Guy, eds.; 1997; pp163-198.
MI	Wertz, et al; "Covalently Bound Lipids of Human Stratum Corneum"; J. Invest Dermatol 92:109-111, 1989; pp109-111.
	Imokawa, et al.; "Importance of intercellular lipids in water-retention properties of the stratum corneum: induction and recovery study of surfactant dry skin; Arch Dermatol Res (1989) 281:45-51.
	Abraham, et al.; "Fusion Patterns of Liposomes Formed from Stratum Corneum Lipids"; J. Invest Dermatol 90:259-262; 1988.
X6x	Pilgram, et al.; "Electron Diffraction Provides New Information on Human Stratum Corneum Lipid Organization Studied in Relation to Depth and Temperature" J Invest Dermatol 113:403-409, 1999.
	Kitson, et al.; "A Model Membrane Approach to the Epidermal Permeability Barrier"; American Chemical Society, 1994; pp 6707-6715.
	Imokawa, et al.; "Selective Recovery of Deranged Water-Holding Properties by Stratum Corneum Lipids"; The Society for Investigative Dermatology, Inc. 1986; pp758-761.
	Wertz, et al.; "Essential Fatty Acids and Epidermal Integrity", Arch Dermatol Vol 123, Oct. 1987; pp1381-1384.
	Bouwstra, et al.; "A Model Membrane Approach to the Epidermal Permeability Barrier: An X-ray Diffraction Study"; Biochemistry 1997; 7717-7725.
1	Imokawa; "Stratum Corneum Lipids Serve as a Bound-Water Modulator"; The Society for Investigative Dermatology, Inc. 1991; pp 845-851.
	Man, et al; "Exogenous Lipids Influence Permeability Barrier Recovery in Acetone-Treated Murine Skin; Arch Dermatol – Vol 129, June 1993, pp 728-738.
	Thewalt, et al., "Models of Stratum Corneum Intercellular Membranes: The Sphingolipid Headgroup is a Determinant of Phase Behavior in Mixed Lipid Dispersions; Biochemical and Biophysical Research Communications, Vol. 188, No. 3, 1992, pp 1247-1252.
	Proksch, et al.; "Barrier Function Regulates Epidermal DNA Synthesis", The Journal of Clinical Investigation, Inc., Vol. 87, May 1991, 1668-1673
W	Schurer, et al., "The Biochemistry and Function af Stratum Corneum Lipids"; Advances in Lipid Research, Vol. 24, pp 27-56; 1991.

PE	cs.	
PE S	NOTE OF	
PATENTA	~~//	Elias, et al.; "Structural and Lipid Biochemical Correlates of the Epidermal Permeability Barrier"; Advances in Lipid Research, Vol. 24, pp. 1-26, 1991.
	7	Abraham, et al.; "Interaction between corneocytes and stratum corneum lipid liposomes in vitro"; Elsevier Science Publishers B.V. (Biomedical Division) 1990, pp 119-125.
		Abraham, et al.; "Effect of epidermal acylglucosylceramides and acylceramides on the morphology of liposomes prepared from stratum corneum lipids"; Biochimica et Biophysica Acta 939 (1988) 403-408.
		Ansari, et al.; "Fatty Acid Composition of the Living Layer and Stratum Corneum Lipids of Human Sole Skin Epidermis"; Lipids, Vol. 5, No. 10, pp 838-845, 1970.
		Wertz, et al.; "Hydroxyacid Derivatives in Human Epidermis"; Lipids. Vol. 23, No. 5 (1988).
		Cullis, et al.; "The Bilayer Stabilizing Role of Sphingomyelin in the Presence of Cholesterol"; Biochimica et Biophysica Acta, 597 (1980) 533-542.
W	1	Monash, et al.; "Location and Re-Formation of the Epithelial Barrier to Water Vapor"; A.M.A. Archives of Dermatology; Vol. 78, Dec. 1958.

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Date Considered 2/21/01